

## CLIMATOLOGICAL DATA FOR APRIL, 1913.

## DISTRICT NO. 9, COLORADO VALLEY.

FREDERICK H. BRANDENBURG, District Editor.

## GENERAL SUMMARY.

Of the important storms that crossed the country during April, the Colorado Basin contributed its usual share. In the district the storms were of two classes—those that originated in the middle portion of the Colorado Basin and those that first appeared as offshoots of depressions which came from the Pacific in the distant north and crossed the mountains where the Continental Divide is too low to form much of a barrier. These secondary depressions which had their beginning in the southern loops of northern depressions required several days to develop, but ultimately they became more important east of the mountains than the storms of which they were offshoots. In the district, however, the attending precipitation was local or generally light, and, except the storm at the beginning of the third decade, were not followed by severe temperature conditions. This storm on the morning of the 22d was in the form of a broad trough extending from Manitoba southwestward to northern Arizona, while high pressure overlay the north Pacific coast. Twelve hours later a secondary depression was central in southeastern Colorado, with loops extending westward to southern Utah. With the movement of the front of the high pressure southeastward during the next 24 hours, sharp falls in temperature occurred throughout the northern half of the district. On the morning of the 23d freezing temperatures were general in Wyoming, Utah, and Colorado, and by the following morning freezing weather had spread over the rest of the district, except southern Arizona and southwestern New Mexico. Timely warnings of approaching freezing temperatures were issued, affording growers opportunity to protect such fruits as were in advanced stages.

In western Wyoming and western Colorado temperatures averaged somewhat above the normal, but in the rest of the district a deficiency was general. The extremes of temperature did not vary materially from those common to April, except the minimum temperature in western Wyoming, which was higher than that which occurred in Colorado, Utah, and New Mexico. As a whole the precipitation was the least of any April in the past four years; the deficiency was marked in the northern drainage areas, while a slight excess occurred on the Mimbres and Gila areas in the extreme southern part of the Colorado Basin.

## TEMPERATURE.

The monthly mean for the stations reporting was  $51.2^{\circ}$ , or  $0.6^{\circ}$  below the normal. The mean for April, 1912, was  $46.8^{\circ}$ . The highest monthly mean was  $69.8^{\circ}$ , at Yuma,

Ariz., and the lowest  $23.6^{\circ}$  at Corona, Colo. The first of the month and the last four days were warmer, and the 23d and 24th colder than the normal. During the rest of the month the departures from the normal were generally slight and for the most part negative. The highest temperatures occurred principally on the 27th, while the lowest occurred on the 24th and on a number of dates in the first half of the month. Zero temperature or lower occurred at one station in Utah and five in Colorado. The highest temperature was  $100^{\circ}$  at Maricopa and Quartzsite, Ariz., on the 27th, and the lowest,  $-12^{\circ}$ , at Dillon, Colo. on the 11th.

Details of temperature are summarized in the following table:

Areas of States in District No. 9.	Temperature.				
	Mean.	Departure from normal.	Highest.	Station.	Lowest.
Western Wyoming....	39.0	+3.3	76	Wamsutter.....	9
Western Colorado.....	42.7	+0.4	87	Grand Valley.....	-12
Eastern Utah.....	47.6	-0.9	87	2 stations.....	0
Western New Mexico..	49.0	-1.2	92	Rodeo.....	5
Arizona.....	58.3	-1.1	100	2 stations.....	10
Southeastern Nevada..	58.5	+5.3	93	Logan.....	20
Daniel.					
Dillon.					
Strawberry Tunnel (east).					
Haynes.					
Alpine.					
Caliente.					

## PRECIPITATION.

The average for the stations reporting was 0.47 inch, or 0.24 inch below the normal. The average for April, 1912, was 0.94 inch. On the 2d-3d and 7th-9th precipitation occurred in the northern half of the district, while from the 17th to the 25th a wider distribution occurred, and practically all the precipitation of the month occurred during this period in New Mexico and Arizona. At no time, however, was the precipitation heavy, and a fall as much as 1 inch in a day occurred at only 1 station each in Colorado, New Mexico, and Arizona. The greatest monthly amount was 5.21 inches at Corona, Colo., while none occurred at 3 stations in eastern Utah and 6 in Arizona. Monthly snowfalls of 5 inches or more occurred at 3 stations in western Wyoming and 22 in western Colorado. The greatest monthly amount was 25 inches at Horsefly, Colo. The average number of days with 0.01 inch or more precipitation was 3 in western Wyoming, 5 in western Colorado, 1 each in eastern Utah and Arizona, and 2 each in western New Mexico and southeastern Nevada. For the district as a whole the average was 2 days.

The average precipitation and departures from the normal on the different watersheds are given in the following table:

Watershed.													
Green.		Grand.		San Juan.		Little Colorado.		Gila.		Mimbres.		Colorado proper.	
Average.	Departure.	Average.	Departure.	Average.	Departure.	Average.	Departure.	Average.	Departure.	Average.	Departure.	Average.	Departure.
0.29	-0.57	0.81	-0.54	0.62	-0.55	0.27	-0.59	0.41	+0.02	0.35	+0.09	0.31	-0.13

#### MISCELLANEOUS.

The average amount of sunshine in percentages, with departures from the normal, was as follows: Grand Junction, 78, +9; Durango, 77, +5; Phoenix, 90, +3, and Yuma, 95, +1.

The relative humidity reported was: Grand Junction, 34, -12 per cent; Durango, 45, -6; Phoenix, 36, +3; and Yuma, 40, +2.

#### RIVERS.

In the Colorado stages were slightly above the normal, except near the Gulf of California. The breaking up of an ice gorge in the Grand on the 1st of the month carried away a bridge in course of construction near Radium. As usual at this time of year the fluctuations in the volume of water discharged followed closely the fluctuations in temperature.

#### DAMAGE BY FROST IN WESTERN COLORADO.

By E. S. NICHOLS, local forecaster, Grand Junction, Colo.

The only night during the month when the fruit in this district was in serious danger was that of the 23d. Warning of freezing temperature during the night was received

with the morning forecast from Denver on the 23d. As conditions shown on the morning weather map were very threatening, fruit growers were warned to prepare to smudge their orchards. The local forecast issued in the morning warned of temperatures several degrees below freezing at Grand Junction, Vineland, and Palisade; below 25° in the middle and lower Grand Valley; and below 20° in Delta and Montrose Counties and at Rifle. The temperatures that occurred were very close to the limits set. Apples were not sufficiently advanced, it was thought, to be materially injured in the middle and lower Grand Valley; so pears, which were in full bloom, were practically the only fruit smudged. However, on the following day it was found that apples had been damaged considerably, although generally sufficient were left to make a good crop.

The exceptional damage to apples at the temperatures that occurred (generally from 23° to 25°, although 21° occurred near Fruita) in the middle and lower Grand Valley was probably due to the extreme dryness of the air, the evening dew point at Grand Junction being only 3°. Extreme dryness during a freeze must be injurious to fruit buds and blossoms for the following reasons: First, the depression of the surface temperatures of the buds and blossoms is increased because cooling by radiation is rapid. Second, cooling by evaporation of moisture from the buds and blossoms is also rapid. These two effects may together produce a material depression below the air temperature. Third, the drying out of the buds and blossoms when they are thawing in the morning sunshine, and even during the night when they are still frozen, is especially rapid in very dry air. It seems likely that open blossoms are more easily killed than those "in the pink" just ready to open, not only because their tissues are more tender and their interiors are more exposed to low temperature, but also because drying out of the vital parts is more rapid.

Growers in this vicinity have heretofore been advised not to let temperatures get as low before smudging on dry nights as on ordinary ones; but more attention should be paid to moisture conditions in the future.

TABLE 1.—Climatological data for April, 1913. District No. 9, Colorado Valley.

Stations.	Counties.	Elevation, feet.	Length of record, years	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.	
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unthawed.								
<i>Wyoming.</i>																						
Battle Mountain.	Carbon.	7,300	1																			U. S. Forest Service.
Big Piney.	Lincoln.	6,800																				Ira Dodge.
Daniel.	do.	6,740	14	36.2	+ 3.3	65	13	9	7	45	0.65	- 0.13	0.30	5.0	3	7	21	2	nw.		J. M. Van Dervort.	
Eden.	Sweetwater.	6,577	4	39.1		69*	14†	10*	9	51*	0.18		0.18	1.5	1	13*	11*	5*	w.		Eden Val. L. & I. Co.	
Green River.	do.	6,083	8	45.2		73	20	23	41	45d	0.25		0.14	1.9	2	14	13	3	w.		Geo. H. Maxom.	
Pinedale.	Fremont.	7,167	7	36.6		66*	28	11d	8	45d	0.53		0.26	6.0	5	13d	9d	4d	nw.		U. S. Forest Service.	
Wausutter.	Sweetwater.	6,702		41.9		76	28	12	22	46	0.24		0.10	3.4	3	17	6	7	sw.		T. C. Sherman.	
Willow Creek Cabin.	Fremont.	7,500	4	35.3		59*	27	8*	8	46*	0.62		0.24	7.6	5	9*	8*	6*	nw.		U. S. Forest Service.	
<i>Colorado.</i>																						
Breckenridge.	Summit.	9,536	24	32.4	+ 2.2	60	27	- 4	11	46	1.20	- 1.61	0.30	14.3	7	16	6	8	w.		Albert S. McCullough.	
Buford.	Rio Blanco.		2																			Mrs. H. Genier.
Cascade.	San Juan.	8,900																				San Juan Water & Power Co.
Cedaredge.	Delta.	6,175	15	47.9	+ 0.4	73	27	19	24	38	0.52	- 0.21	0.40	0	4	14	15	1	w.		Harry A. Cobbett.	
Cochetopa.	Saguache.	9,085	4																			Miss Bessie McDonough.
Colbran.	Mesa.	6,000	20	46.9	+ 0.8	72	27	19	24	35	0.85	- 0.66	0.43	5.0	7	16	14	2	sw.		A. A. Wood.	
Columbine.	Routt.	8,766	3																			Mrs. M. A. Caron.
Columbine Ranch.	Delta.	6,925	3																			George W. Wade.
Corona.	Grand.	11,660	6	23.6		45	14	- 1	24	32	5.21		0.85									U. S. Weather Bureau.
Cortez.	Montezuma.	6,100	2	46.8		78	28	14	24	47	T.		T.	0	24*	5*	0*	w.		W. G. Clucas.		
Crawford (near).	Montrose.	6,600	3	44.6		68	27†	15	25	44	0.41		0.18	1.0	5	20	6	4			C. W. Roe.	
Crested Butte.	Gunnison.	8,867	3	31.9		62	28†	0	4	41	0.75		0.28	8.5	6	14	5	11	w.		Charles L. Ross.	
Delta.	Delta.	4,965	23	50.0	- 1.7	81	27	18	11	51	0.03	- 0.51	0.03	0	1	18	10	2	s.		E. M. Getts.	
Dillon.	Summit.	8,800	3	32.0		61	30	- 12	11	54	0.90		0.37	13.0	6	17	1	12	n.		Mrs. Nannie B. Strong.	
Durango.	La Plata.	6,534	18	45.5	- 0.9	70	28	18	24	38	0.77	- 0.37	0.29	0.3	7	10	13	7	nw.		U. S. Weather Bureau.	
Eureka.	San Juan.	10,000	6																		San Juan Water & Power Co.	
Fraser.	Grand.	8,560	4	30.8		60	14†	- 8	11	56	0.80		0.30	8.5	4	6	20	6	n.		L. D. C. Gaskill.	
Fruita.	Mesa.	4,510	14	51.2	+ 0.3	81	28	20	10	50	1.3	- 0.60	0.13	T.	1	14	15	1	se.		J. B. Willsea.	
Glade Park.	do.	7,000	2																		A. F. Terrill.	
Gladstone.	San Juan.	10,400	6																		San Juan Water & Power Co.	
Glenwood Springs (near).	Garfield.	5,823	15	43.7	- 3.0	75	13	16	10	51	0.25	- 0.92	0.25	0	1	23	5	2	w.		E. A. O'Neil.	
Grand Junction.	Mesa.	4,002	22	54.0	+ 0.8	79	28	29	10	35	0.23	- 0.53	0.21	T.	3	12	12	6	se.		U. S. Weather Bureau.	
Grandlake.	Grand.	8,153	5																		Mrs. Belle Kaufman.	
Grand Valley.	Garfield.	5,089	21	51.9	+ 2.9	87	29	19	24	53	0.64	- 0.51	0.30	0	6	10	10	10	w.		David Evans.	
Gunnison.	Gunnison.	7,670	20	38.6	- 0.8	68	28	9	25	51	0.11	- 0.64	0.07	1.0	2	17	11	2	sw.		Clarence Adams.	
Hayden.	Routt.	6,337		43.6		71	14†	16	10†	47	0.34		0.16	0.5	5	13	11	6	sw.		A. W. Friederich.	
Hesperus (near).	La Plata.	7,610	1																		G. F. Snyder.	
Horsefly.	Montrose.	8,700	3																		Lawrence J. Finch.	
Ironton.	Ouray.	10,000	3																		Mrs. Amanda E. Foley.	
Lake City.	Hinsdale.	8,680	8	37.5		63	13	11	24	40	0.36		0.10	4.1		16	1	13	s.		J. F. Maurer.	
Lay.	Moffat.	6,190	19	42.7	+ 0.8	71	14†	16	10†	50	1.0	- 1.02	0.10	1.0	1	17	4	9	sw.		A. G. Wallihan.	
Mancos.	Montezuma.	6,960	14	46.1	+ 1.9	77	29†	20	3	40†	0.53	- 1.37	0.24	T.	4	18	8	4	n.		Miss Gertrude Rickner.	
Marble.	Gunnison.	7,951	4	39.4		69	29	10	10†	44	1.22		0.47	5.0	7	17	5	ne.		F. E. Morse.		
Marshall Pass.	Saguache.	10,846	10																		Wm. L. Williams.	
Meeker (near).	Rio Blanco.	6,182	21	43.5	- 0.1	74	27	14	24	51	0.79		0.45	2.5	5	14	11	5	sw.		T. Baker.	
Montrose.	Montrose.	5,811	24	49.0	+ 1.7	76	30	19	10	45	0.09	- 0.85	0.15	0.08	T.	1	18	9	3	sw.		U. S. Reclamation Service.
Nast.	Pitkin.	7,952	3	35.2		62	30†	4	11	45	0.96		0.22	13.0	6	17	6	7	w.		Arthur Hanthorn.	
Pagosa Springs.	Archuleta.	7,108	6	40.0		69	16†	9	24	52	0.70		0.15	8	8	19	8	3	sw.		E. T. Walker.	
Palisades.	Mesa.	4,729	2	54.7		83	14	28	24	45	0.21		0.12	0	2	14	14	2	sw.		E. P. Updegraff.	
Paonia.	Delta.	5,694	18	49.4	+ 0.4	78	27†	14	24	41	0.58	- 0.38	0.36	3.0	4	10	19	1	sw.		J. M. Underwood.	
Pitkin.	Gunnison.	9,500	4																		Mrs. Maggie Cammann.	
Pyramid.	Rio Blanco.																				E. E. Egry.	
Redcliff.	Eagle.	8,695	20																		Dorothea Greiner.	
Redvale.	Montrose.	6,300		46.0		71	27	11	24	43	0.64		0.39	12.3	5	17	5	8			Dr. E. S. C. Foster.	
Rico.	Dolores.	8,824	11																		Clinton B. Smith.	
Rifle.	Garfield.	5,437	2	49.4		77	27†	18	24	44	0.31		0.11	0	7	14	5	11	sw.		Herman Eiche.	
River Portal.	Montrose.	6,570	7	47.0		74*	28	20*	4†	44*	0.22		0.08	0.2	4	15*	4	10*			U. S. Reclamation Service.	
Sapinero (near).	Gunnison.	8,125	10	37.4	+ 0.1	64	27	10	4	38	1.27		- 0.50	0.54	9.5	12	15	7	8	w.	W. F. Irving.	
Shoshone.	Garfield.	6,110	3	49.0		75	16	26	4†	40	0.31		0.15	0	6	20	3	7	sw.		Central Colorado Power Co.	
Silverton (near).	San Juan.	9,400	6	32.8		57	28	6	11	43	T.		T.	0	14	5	11	sw.		San Juan Water & Power Co.		
Spruce Lodge.	Grand.	9,600	5																		H. J. Wills.	
Steamboat Springs.	Routt.	6,683	10	39.9	+ 1.0	71b	30	5b	11	50b	1.47		0.58	19.0	7	14	4	12	nw.		Herbert B. Gee.	
Tacoma.	La Plata.	7,300	6																		San Juan Water & Power Co.	
Telluride.	San Miguel.	8,756	1	37.2		64	27	0	4	46	1.59		0.91	18.7	8	16	10	9	s.		Wm. T. March.	
Terminal Dam.	La Plata.	8,300	6																		San Juan Water & Power Co.	
Tampa (near).	Routt.	8,000	4																		Wm. A. Charls.	
Utah.																						
Aneth.	San Juan.	4,800	9	55.4		80	14†	22	24	41	0.10		0.10		1	20	9	1			H. R. Antes.	
Bluff.	do.	4,200	1																		H. H. Redd.	
Canaan.	Washington.																				J. M. Lauritzen.	
Castle Dale.	Emery.	5,500	14	44.2	- 2.0	76	27	12	4	49	0.25	- 0.41	0.25		2						Miss May Jeffs.	
Cisco (near).	Grand.	4,100</																				

TABLE 1.—Climatological data for April, 1913. District No. 9—Continued.

stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.			
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Greatest in 24 hours.	Departure from the normal.	Total snowfall, unmodified.	Number of rainy days, 0.01 inch or more.						
<i>Utah—Continued.</i>																					
Orderville.....	Kane.....	6,660	3							0.25		0.18	2.0	2	14	13	3	s.	F. A. Porter.		
Pine Valley.....	Washington.....	6,000	2							1.17		0.60		3					Mason Gardner.		
Price.....	Carbon.....	5,557	2	49.0 <sup>1</sup>	- 0.1	78	26 <sup>†</sup>	18	17	57	T.	- 1.38	T.	0	23	5	2	w.	George Mathis.		
Ranch.....	Kane.....	6,700	11	41.8		70	26	10	3	45	T.	0.00	0	0	18	8	4	se.	J. W. Seaman.		
San Rafael.....	Emery.....	4,250	1							0.00		0.17	0.15	2	18	7	5		J. J. Nouguier.		
St. George.....	Washington.....	2,880	26	57.4	± 0.0	87	26	29	8	54	T.	- 0.17	0.40	0.2	3	25	0	5	s.	A. B. Ballantyne.	
Scofield.....	Carbon.....	7,625	4	37.0		64	29	4	11	52	0.43								B. Newren.		
Springdale.....	Washington.....	3,500	5															Hattie Wood.			
Strawberry Tun., East	Wasatch.....	7,650	1	34.4		61	27	0	10	49	0.15		0.15	T.	1	16	8	6	w.	Reclamation Service.	
Teasdale.....	Wayne.....	7,000	4	45.4		87	18	20	23	49	0.20		0.20	T.	1	18	8	4	sw.	Henry Cullum.	
Thompson's.....	Grand.....	5,150	2	52.4		79	27	28	23	36	0.05		0.05	T.	1	24	5	1	nw.	A. M. Starmont.	
Tropic.....	Garfield.....	7,000	16	40.2	- 4.8	62	29	21	11 <sup>†</sup>	33	T.	- 0.88	T.	T.	0	12	17	1		E. P. Bolton.	
Tropicreek Ranger Sta.	Uinta.....	9,200	2																Forest Supervisor.		
Vernal.....	do.....	5,050	16																H. E. Dillman.		
Victor.....	Emery.....	5,250	1								0.00		0.00	0	0	15	0	5	w.	F. F. Noyes.	
White Rocks.....	Uinta.....	6,200	1								T.		0.5						C. F. Keil.		
Woodside.....	Emery.....	4,645	2	49.1		78	28	20	12 <sup>†</sup>	53	0.00		0.00	0	0	14	16	0	s.	D. P. Adams.	
<i>New Mexico.</i>																					
Alma.....	Socorro.....	5,500	16	50.4	- 3.3	81	28 <sup>†</sup>	18	13	58	T.	- 0.52	T.	0	0	14	15	1	sw.	Max A. Balke.	
Aragon.....	do.....	6,6	45.7			79	19	17	24	53		0.07	- 0.31	0.04	0	3	12	14	4	sw.	John R. Milligan.
Aztec.....	San Juan.....	5,590	13								0.07		0.17	0.15	2.0	2	22	2	6	w.	Dr. T. J. West.
Bergers Ranch.....	McKinley.....	8,000	1	40.4		68	27	13	24	45	0.17		0.37	0.30	0	5	23	4	3	e.	Herman Berger.
Blackrock.....	do.....	6,500	4	39.4		63	10	12	21	47	1.05		1.00	0	5	23	4	3	sw.	P. Des Georges.	
Bloomfield.....	San Juan.....	5,500	18	49.8	- 0.1	80	27 <sup>†</sup>	14	24	52	0.29	- 0.47	0.11	0.1	4	17	13	0		Fred Le Clerc.	
Cambray.....	Luna.....	4,215	14			87	16	30	9	46	T.	- 0.30	T.	0	0	24	25	0	5		Agent So. Pac. R. R.
Cliff.....	Grant.....	4,470	13	53.9	- 3.3	87	2	20	4	58	0.43	+ 0.06	0.43	0.25	0	2	23	3	4	se.	W. C. Belden.
Colombus.....	Luna.....	4,054	4								0.44		0.40	0.60	0	1	16	13	1	w.	Agent E. P. & S. W. R. R.
Deming.....	do.....	4,333	36	55.2		84	26	30	23	43	0.60	+ 0.40	0.60	0	3	23	5	2	sw.	E. O. Green.	
Dulce.....	Rio Arriba.....	6,756	16	44.5	+ 1.4	72	27 <sup>†</sup>	13	24	51	0.17	- 0.37	0.30	0	3	23	5	2	w.	U. S. General Hospital.	
Fort Bayard.....	Grant.....	6,152	38	51.9	- 1.2	75	28	26	24	36	0.23	- 0.13	0.21	T.	2	23	4	3	sw.	C. J. Collyer.	
Fruitland.....	San Juan.....	4,800	19	52.0 <sup>1</sup>	+ 0.6	78	14 <sup>†</sup>	15	21	47	1.05	- 0.42	T.	0	0	23	7	0	w.	Agent So. Pac. R. R.	
Gage.....	Luna.....	4,486	13	55.3		87	16	30	9	46	T.	- 0.30	T.	0	0	24	25	0	5	sw.	W. C. Belden.
Gila Planting Station.....	Grant.....	6,475	2	50.9		74	16 <sup>†</sup>	24	24	37	0.29		0.26	0	2	24	5	1	w.	Agent E. P. & S. W. R. R.	
G. O. S. Ranch.....	do.....	8,000	1	48.8 <sup>1</sup>		80 <sup>2</sup>	28 <sup>†</sup>	16	23 <sup>3</sup>	36 <sup>4</sup>	0.35		0.20	0	2	25	2	1	sw.	E. O. Green.	
Hachita.....	Rio Arriba.....	4,504	4			87	17	30	10 <sup>†</sup>	40	0.20		0.20	0	1	27	2	1	sw.	U. S. Forest Service.	
Haynes.....	do.....	6,600	2	37.4		70	1 <sup>†</sup>	5	13	60	0.13		0.08	0.9	3	20	5	5	sw.	Victor Culberson.	
Hermances.....	Rio Arriba.....	4,451	4								0.33		0.33	0	1	30	0	0	w.	Agent E. P. & S. W. R. R.	
Lordsburg.....	Grant.....	4,245	30	57.8	- 2.8	84	28	30	10 <sup>†</sup>	44	0.35	+ 0.17	0.20	0	2	25	4	1	sw.	Dr. John R. Haynes.	
Luna.....	Socorro.....	7,300	8																	J. H. McClure.	
Mimbres.....	Grant.....	5,007	8																	Chas. B. Martin.	
Pinos Altos [near].....	do.....	7,253	2																	Charles Dennis.	
Pratt.....	do.....	4,415	4																	O. L. Scott.	
Putnam.....	San Juan.....	6,200	1	47.8		77	16	15	24	58										Agent E. P. & S. W. R. R.	
Redrock.....	Grant.....	4,150	8																	C. F. Spader.	
Rodeo.....	do.....	4,118	4																	Robt. H. Woods.	
Silver City.....	do.....	5,860	2	51.4		80	17	24	24	46	0.31		0.24	0	2	24	5	1	n.	Agent E. P. & S. W. R. R.	
<i>Arizona.</i>																			E. M. Brumback.		
Allaires Ranch.....	Cochise.....	4,184	17								0.28	+ 0.04	0.27	0	2	22	5	3	s.	Thomas Allaire.	
Alpine.....	Apache.....	8,500	4	38.5		69	1	10	12	49	0.19		0.19	T.	1	20	6	4	sw.	U. S. Forest Service.	
Ashfork.....	Yavapai.....	5,229	1																	Do.	
Aztec.....	Yuma.....	492	14	68.3	- 3.8	97	26 <sup>†</sup>	42	27	49	0.90	+ 0.68	0.90	0	1	28	0	2	w.	Agent Southern Pacific Ry.	
Benson.....	Cochise.....	3,523	32	59.2	- 5.2	87	5	32	3	51	0.37	+ 0.23	0.37	0	1	21	8	1	sw.	Bisbee High Schools.	
Bisbee.....	do.....	5,350	22	58.0	- 1.1	79	30	36	5 <sup>†</sup>	37	0.10	- 0.36	0.10	0	1	17	6	7	s.	Mary A. Jones.	
Blue.....	Greenlee.....	6,000	2								0.30		0.25	0	2	23	5	2	sw.	A. H. Jolley.	
Bonita.....	Graham.....	4,916	39								1.10	- 0.77	0.65	0	2	19	7	4	w.	Agent Southern Pacific Ry.	
Bowie.....	Cochise.....	3,756	37	62.8	+ 1.5	95	5	35	4 <sup>†</sup>	53	0.07	- 0.12	0.07	0	1	29	0	1	sw.	E. H. Kell.	
Buckeye.....	Maricopa.....	980	21	66.4	+ 0.5	96	27	37	9	50	0.26	+ 0.01	0.23	0	2	28	0	2	w.	Robert A. Rodgers.	
Canville.....	Santa Cruz.....	5,225	3								0.35		0.35	0	1	29	0	1	sw.	Agent, Southern Pacific Ry.	
Casa Grande.....	Pinal.....	1,390	31								0.03	- 0.12	0.03	0	1	29	0	1	sw.	Frank Pinkley.	
Casa Grande Ruins.....	do.....	1,422	5	65.8		96	27	33	19	50	0.52		0.52	0	1	26	1	3	sw.	F. V. N. Dana.	
Chandler.....	Maricopa.....	1,213	18	65.6	- 1.0	95	27	38	4 <sup>†</sup>	50	0.67	- 0.29	0.67	0	1	26	3	1	sw.	Rev. L. Ostermann, O. F. M.	
Chin Lee.....	Apache.....	6,090	5	47.8		76	28	17	24	51	0.89		0.69	0	5	11	11	8	sw.	Hiram C. Charlson.	
Charlson's Mill.....	Graham.....	8,000	1								0.85		0.35	0	4	29	0	1	sw.	L. C. Kyhl.	
Clifton.....	Greenelee.....	3,584	22	64.8		88	28 <sup>†</sup>	39	5	39	0.29	- 0.15	0.12	0	1	26	3	1	sw.	W. M. Clanton.	
Cline.....	Gila.....	2,300	12								0.50	+ 0.29	0.50	0	1	24	0	6	w.	Agent, Southern Pacific Ry.	
Cochise.....	Cochise.....	4,219	13								0.75	+ 0.12	0.75	0	1	28	2	0	sw.	M. J. Nolan.	
Columbia.....	Yavapai.....	1,900	10	66.8	+ 1.8	94	28	46	3 <sup>†</sup>	36	0.28		0.28	0	2	26	0	4	sw.	Agent E. P. & S. W. R. R.	
Courtland.....	Cochise.....	4,543	3								0.70		0.70	0	2	27	2	1	sw.	Neil Erickson.	
Dos Cabezos.....	do.....	5,250	5	54.0		82	5	27	81	46	0.75		0.70	0	2						

TABLE 1.—Climatological data for April, 1913. District No. 9—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.								Precipitation, in inches.								Sky.	Prevailing wind direction.	Observers.		
				Mean.				Departure from the normal.				Total.				Departure from the normal.		Number of rainy days, 0.01 inch or more.						
				Highest.	Date.	Lowest.	Greatest daily range.												Number of clear days.	Number of partly cloudy days.	Number of cloudy days.			
<b>Arizona—Continued.</b>																								
Kingman.....	Mohave.....	3,326	8	60.2	.....	89	14	30	15	44	0.07	0.43	— 0.50	0.00	0.04	0	3	27	0	3	s.	Agent, A. T. & S. F. Ry.		
Lakeside.....	Navajo.....	6,500	15	45.8	.....	71	27	18	11†	49	0.43	0.38	— 0.50	0.00	0	2	20	0	10	8	sw.	Prof. Joseph Peterson.		
Lewis Springs.....	Cochise.....	4,029	4	.....	.....	.....	.....	.....	.....	.....	0.17	0.17	— 0.00	0.00	0	1	25	1	1	s.	Agent, E. P. & S. W. R. R.			
Lowell Observatory.....	Cocoonino.....	7,180	1	.....	.....	.....	.....	.....	.....	.....	0.21	0.21	— 0.50	0.50	0	1	21	7	2	sw.	Vesto M. Slipher.			
McNeal.....	Cochise.....	4,150	3	.....	.....	.....	.....	.....	.....	.....	0.38	0.38	— 0.31	0.31	0	1	27	1	2	e.	Gladys Taylor.			
Maricopa.....	Pinal.....	1,186	36	64.8	— 6.1	100	27	32	8†	63	0.50	+ 0.32	0.50	0.07	0	1	29	0	1	sw.	Agent, Southern Pacific Ry.			
Moccasin.....	Mohave.....	4,500	1	.....	.....	.....	.....	.....	.....	.....	0.50	0.50	— 0.32	0.32	0	1	29	0	1	s.	J. G. Maxwell.			
Mohawk Summit.....	Yuma.....	538	10	68.9	— 5.1	90	26	48	15	39	0.38	+ 0.31	0.38	0.31	0	1	27	1	2	e.	Agent, Southern Pacific Ry.			
Naco.....	Cochise.....	4,579	4	.....	.....	.....	.....	.....	.....	.....	0.95	0.95	— 0.00	0.00	0	1	18	10	2	sw.	Agent, E. P. & S. W. R. R.			
Natural Bridge.....	Gila.....	4,990	24	.....	.....	.....	.....	.....	.....	.....	0.84	0.84	— 0.28	0.28	0	1	22	2	6	w.	D. G. Goodfellow.			
Oracle.....	Pinal.....	4,500	19	59.2	— 0.6	87	19	37	24	33	0.07	0.07	— 0.07	0.07	0	2	23	5	2	w.	J. W. Lawson.			
Osborn.....	Cochise.....	4,676	4	.....	.....	.....	.....	.....	.....	.....	0.21	0.21	— 0.21	0.21	0	2	17	10	3	sw.	Agent, E. P. & S. W. R. R.			
Paradise.....	do.....	5,436	7	50.8	.....	79	28	21	24	50	0.00	0.00	— 0.10	0.10	0	0	30	0	1	w.	J. C. Hancock.			
Parker.....	Yuma.....	345	19	66.2	— 3.7	99	26†	36	3	53	0.00	0.00	— 0.10	0.10	0	0	30	0	1	sw.	M. A. Israel, M. D.			
Payson.....	Gila.....	5,550	5	51.6	.....	83	3	21	3	62	0.65	0.57	— 0.31	0.31	0	3	23	3	2	e.	Mart McDonald.			
Phoenix.....	Maricopa.....	1,108	18	67.2	— 0.6	93	27	43	8	37	0.51	0.51	— 0.08	0.08	0	2	21	5	4	e.	U. S. Weather Bureau.			
Phoenix (1).....	do.....	1,092	25	65.3	— 1.3	94	27	38	4†	46	0.60	+ 0.22	0.60	0.22	0	1	23	5	2	w.	Geo. Acuff.			
Phoenix (2).....	do.....	1,189	4	67.1	.....	95	28	40	4	45	0.56	0.56	— 0.32	0.32	0	1	25	3	2	sw.	Salt River Valley Nurseries.			
Pinal Ranch.....	Pinal.....	4,520	19	.....	.....	.....	.....	.....	.....	.....	0.30	0.30	— 0.21	0.21	0	2	15	12	3	s.	Irion & Craig.			
Phinedale.....	Navajo.....	6,500	1	.....	.....	.....	.....	.....	.....	.....	0.42	0.42	— 0.45	0.45	0	2	27	1	1	sw.	E. Thomas, Jr.			
Pinto.....	Apache.....	5,660	9	.....	.....	.....	.....	.....	.....	.....	0.49	0.49	— 0.45	0.45	0	2	27	1	1	w.	Celia F. Henning.			
Prescott.....	Yavapai.....	5,320	46	48.0	— 2.5	76	27	20	10	44	0.08	0.08	— 0.70	0.70	0	1	22	7	1	e.	Dr. J. W. Flinn.			
Prescott Dry Farm.....	do.....	5,008	1	52.4	.....	77	27	29	24	38	0.10	0.07	— 0.37	0.37	0	2	24	3	3	s.	L. L. Bates.			
Quartzsite.....	Yuma.....	800	5	67.6	.....	100	27	38	15	46	0.30	0.30	— 0.30	0.30	0	1	24	6	0	s.	W. E. Scott.			
Redrock.....	Pinal.....	1,864	4	.....	.....	.....	.....	.....	.....	.....	0.40	0.40	— 0.40	0.40	0	1	22	7	1	w.	A. B. Lee.			
Rice.....	Gila.....	2,665	30	59.8	— 2.6	89	27	30	13	53 <sup>b</sup>	0.34	0.34	— 0.04	0.04	0	2	24	4	2	s.	Arthur Pritchard.			
Roosevelt.....	do.....	2,175	8	66.2	.....	92	28	34	1†	46	0.66	0.66	— 0.66	0.66	0	1	24	5	1	w.	U. S. Reclamation Service.			
Sacaton.....	Pinal.....	1,280	6	67.2	.....	98	27	36	9	48	0.40	0.40	— 0.40	0.40	0	1	19	6	5	w.	E. W. Hudson.			
St. Johns.....	Apache.....	5,650	7	43.9	.....	76	1	14	11	46	0.20	0.20	— 0.32	0.32	0	2	22	7	1	sw.	Alexander Shreeve.			
St. Michaels.....	do.....	6,950	24	45.6	— 0.6	70	13†	16	11	45	0.37	0.37	— 0.32	0.32	0	1	21	9	0	s.	Rev. Anselm Weber, O. F. M.			
Salome.....	Yuma.....	1,875	6	.....	.....	.....	.....	.....	.....	.....	0.15	0.15	— 0.05	0.05	0	1	25	4	1	se.	M. B. Swartz.			
San Simon.....	Cochise.....	3,609	29	59.0	— 5.1	86	7†	28	10	53	0.15	0.15	— 0.25	0.25	0	1	19	4	7	w.	Agent, Southern Pacific Ry.			
Seligman.....	Yavapai.....	5,219	7	49.6	.....	79	1	20	47d	38 <sup>b</sup>	0.25	0.46	— 0.29	0.29	0	1	28	2	3	sw.	Lib. A. T. & S. F. Ry.			
Sentinel.....	Maricopa.....	685	14	.....	.....	.....	.....	.....	.....	.....	0.25	0.25	— 0.25	0.25	0	1	26	0	4	s.	Agent, Southern Pac. Ry.			
Silverbell.....	Pima.....	2,650	8	.....	.....	90	3†	13	24	39	0.25	0.25	— 0.25	0.25	0	1	21	9	0	sw.	Imperial Copper Co.			
Snowflake.....	Navajo.....	5,644	6	45.9	.....	72	6	16	24	44	0.20	0.20	— 0.20	0.20	0	1	21	9	0	sw.	William J. Flake.			
Springerville.....	Apache.....	6,862	2	44.6	.....	71	29	13	24	46	0.09	0.09	— 0.09	0.09	0	1	21	7	2	s.	U. S. Forest Service.			
Supai.....	Cocoonino.....	3,200	5	64.2	.....	90	26	41	3†	38 <sup>b</sup>	0.22	0.22	— 0.22	0.22	0	1	25	2	3	sw.	Laura B. Symons.			
Tempe.....	Maricopa.....	1,165	9	66.5	.....	95	26	39	8	43	0.68	0.68	— 0.68	0.68	0	1	24	4	2	nw.	F. H. Simmons.			
Thatcher.....	Graham.....	2,800	10	63.04	+ 2.9	93	30	41	7	41	0.09	0.09	— 0.18	0.18	0	2	19	8	3	e.	J. H. Larson.			
Tombstone.....	Cochise.....	4,550	14	63.0	+ 1.0	89	2	41	7	41	0.29	0.29	— 0.02	0.02	0	1	22	7	1	w.	F. N. Wolcott.			
Truxton.....	Mohave.....	3,997	4	56.2	.....	82	26	30	8†	43	0.28	0.28	— 0.28	0.28	0	1	16	10	4	s.	Ira E. Bell.			
Tuba.....	Cocoonino.....	4,500	12	53.8	— 0.7	80	27	24	24	44	0.12	0.12	— 0.36	0.36	0	1	14	16	0	sw.	University of Arizona.			
Tucson.....	Pima.....	2,390	32	64.0	— 1.5	90	5	36	9	46	0.70	0.70	— 0.37	0.37	0	1	17	10	3	nw.	Rev. James F. Record.			
Tucson (1).....	do.....	2,380	5	61.8	.....	92	27	30	9	53 <sup>a</sup>	0.60	0.60	— 0.32	0.32	0	1	23	6	1	s.	U. S. Coast & Geod. Survey.			
Tucson (2).....	do.....	2,526	3	63.8	.....	90	27	36	4	48	0.32	0.32	— 0.32	0.32	0	2	24	2	4	w.	Agent, Southern Pac. Ry.			
Veil.....	do.....	3,421	14	.....	.....	.....	.....	.....	.....	0.00	0.00	— 0.34	0.34	0	0	27	0	3	w.	J. O. Carter.				
Walnut Grove.....	Yavapai.....	3,649	21	.....	.....	.....	.....	.....	.....	0.35	0.35	— 0.15	0.15	0	2	25	5	0	n.	Agent, S. F. P. & P. Ry.				
Wickenburg.....	Maricopa.....	2,072	15	61.0	— 0.4	88	26†	27	4	56	0.68	0.68	— 0.32	0.32	0	1	10	11	9	sw.	Agent, Southern Pac. Ry.			
Willcox.....	Cochise.....	4,164	31	53.2	— 6.8	88	30	32	8	51	0.30	0.30	— 0.15	0.15	0	1	15	14	1	sw.	E. J. Nordyke.			
Williams.....	Cocoonino.....	6,750	13	48.8	— 0.8	74	26	22	7†	38	0.01	0.01	— 0.89	0.89	0	1	25	3	2	w.	Winslow High Schools.			
Winslow.....	Navajo.....	4,853	5	53.4	.....	79	6†	23	24	47	0.03	0.03	— 0.03	0.03	0	1	29	1	0	w.	U. S. Weather Bureau.			
Yuma.....	Yuma.....	141	32	69.8	— 0.3	99	27	45	15	42	0.18	0.18	— 0.08	0.08	0	1	28	1	1	sw.	C. J. Wood.			
Yuma (1).....	do.....	150	6	64.8	.....	95	27	36	3	48 <sup>a</sup>	0.15	0.14	— 0.22	0.22	0	2	27	3	0	sw.	Salt Lake Route.			
Caliente.....	Lincoln.....	4,407	3	48.8 <sup>a</sup>	.....	81 <sup>b</sup>	26	20	6†	54 <sup>b</sup>	0.06	0.06	— 0.02	0.02	0	1	28	1	1	se.	C. P. Squires.			
Las Vegas.....	Clark.....	2,033	11	63.2	+ 5.3	91	27	34	14	48	0.30	0.30	— 0.02	0.02	0	2	23	5	2	s.	Orin W. Jarvis.			
Logan.....	do.....	1,355	6	63.6	.....	93	27	34	15	49	0.22	0.22	— 0.22	0.22	0	2	29	1	0	se.				

<sup>a</sup>, <sup>b</sup>, <sup>c</sup>, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

\*\* Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.

TABLE 2.—*Daily precipitation for April, 1913. District No. 9, Colorado Valley.*

Stations.	Watershed.	Day of month.																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total.	
<i>Wyoming.</i>																																	
Battle Mountain	Snake																																
Big Piney	Green																															0.65	
Daniel	do	.15	.30					T.	.20												T.	T.		T.							0.18		
Eden	do	.18																													0.25		
Green River	do	.11	.14					T.	.08												T.			T.							0.53		
Pinedale	do	.10	.04	.26					.10	T.	.08	T.									.04		.10								0.24		
Wamsutter	do	T.	T.																													0.62	
Willow Creek Cabin	do	.11	.24	.11	T.				T.	.08																							
<i>Colorado.</i>																																	
Breckenridge	Grand	T.		.14					.07	.30	T.									T.	.15	.12		T.	.16	T.	.26			1.20			
Buford	White																				.01	.55		.04	.12	.01	.02				1.37		
Cascade	San Juan	.01	.11	.14					.12	.24										.03			T.								0.52		
Cedaredge	Gunnison								.40	.04																					0.47		
Cochetopa	do	T.	T.	.10	T.				T.	.27	T.									T.	T.	.05	T.							0.85			
Collbran	Grand	.26	.43						.05	.02	T.									.01			T.	T.	.07					0.63			
Columbine	Yampa	.13							.13											.05			.10							0.55			
Columbine Ranch	Gunnison	T.	.30						.10	.57	.85	.35								.53	.38									5.21			
Corona	Grand	.07	.63	.40						T.																					0.41		
Cortez	San Juan																														0.75		
Crawford (near)	Gunnison	.02	.18							.10																					0.03		
Crested Butte	do	.10	.20						.05	.05	T.									T.			.25	.10	T.					0.90			
Delta	do																			.03										0.77			
Dillon	Grand		.10																	.20										1.71			
Durango	San Juan	T.	.13	.07					.06											.21	.08	.15	.07	T.	.22	.10	T.		0.89				
Eureka	do	.41	.10	T.					.22	.10										.22			T.	T.	.10					0.13			
Fraser	Grand								T.	.30	.20									T.	T.	.13								0.21			
Fruita	do	T.	T.						T.																						1.73		
Glade Park	do	.20								.01																				0.25			
Gladstone	San Juan	.33	.14	T.	T.	.18			.35	.04	T.																			0.25			
Glenwood Springs	Grand																														0.23		
Grand Junction	do		.21	T.					T.											.01	T.	T.	.01	T.	T.	T.	T.			1.58			
Grandlake	do																				.12			.06	T.		.07	T.		0.64			
Grand Valley	do	T.	.04	.30					T.	.05	T.																				0.11		
Gunnison	Gunnison	T.	.04						.07	T.																					0.34		
Hayden	Yampa	.16							T.	T.										.04			T.	T.	.03					0.47			
Hesperus (near)	Le Plata	.11							T.											.08	.17		.05	.06	T.					0.91			
Horsefly	Gunnison	.03	.56						T.	.24	.08																				2.31		
Ironton	do	T.	T.	.73					T.	.18	.48										.11	.12	T.	.11	.31	T.	.27			0.36			
Lake City	do	.10	.01							.04	.09	.01									.08			T.	T.	.03				0.10			
Lay	Yampa									.10	T.	T.																			0.53		
Mancos	San Juan	T.	.24						T.	.03	T.																				0.22		
Marble	do	.47								.08	T.																				0.79		
Marshall Pass	Gunnison	.17	.17								.78	T.																			0.63		
Meeker (near)	White	*	.30						.45	T.	T.										.03			T.		.01				0.09			
Montrose	Gunnison	.09										T.																			0.96		
Nast	Grand	.22											T.																		0.70		
Pagosa Springs	San Juan	.08	.12							.02	.15	.01																		0.21			
Palisades	Grand	.12								T.																					0.58		
Paonia	Gunnison	.04	.36							T.																				0.92			
Pitkin	do																														0.92		
Pyramid	Yampa																														1.04		
Redcliff	Grand																														0.64		
Redvale	San Miguel	.11	.28	T.						T.																				0.87			
Rico	Dolores																														0.31		
Rifle	Grand	.11	.08							.04	.04																			0.22			
River Portal	Gunnison	T.																													1.27		
Sapinero (near)	do	.10	.54								.04	.32	.02																	0.31			
Shoshone	Grand	.02																													T.		
Silverton (near)	San Juan	T.	T.	T.																											1.47		
Tacoma	Yampa																														1.23		
San Juan	do	.07	.04																												0.78		
Telluride	San Miguel	T.	T.	.91																										0.97			
Terminal Dam	San Juan	.09	.08																											0.44			
Yampa (near)	do	*	.05																														
<i>Utah.</i>																																	
Aneth	San Juan																														0.10		
Bluff	do																														0.60		
Canaan	Colorado	.01																													0.25		
Castle Dale	Green																														0.44		
Cisco	Grand																														0.05		
Dragon	Green																														0.52		
Duchesne	do	T.		.03	T.	T.																								T.			
Elkhorn	do																														0.14		
Emery	Colorado																														0.80		
Escalante	do																														0.06		
Fort Duchesne	Green																																

TABLE 2.—*Daily precipitation for April, 1913. District No. 9—Continued.*

TABLE 2.—*Daily precipitation for April, 1913. District No. 9—Continued.*

Stations.	Watershed.	Day of month.																													Total		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
<b>Arizona—Continued.</b>																																	
Naco	San Pedro																																0.17
Natural Bridge	Verde																																0.95
Oracle	San Pedro																																0.84
Osborn	do																																0.07
Paradise	Desert																																0.21
Parker	Colorado																																0.00
Payson	Verde																																0.65
Phoenix	Salt																																0.51
Phoenix (1)	do																																0.60
Phoenix (2)	do																																0.56
Pinon Ranch	Gila																																0.42
Pinedale	Little Colorado																																0.49
Pinto	do																																0.08
Prescott	Hassayampa																																0.10
Prescott Dry Farm	Verde																																0.30
Quartzsite	Colorado																																
Redrock	Santa Cruz																																
Rice	Gila																																0.34
Roosevelt	Salt																																0.66
Seacat	Gila																																0.40
St. Johns	Little Colorado																																0.20
St. Michaels	do																																0.37
Salome	Colorado																																0.15
San Simon	Gila																																0.25
Seligman	Verde																																0.46
Sentinel	Gila																																0.25
Silverbell	Santa Cruz																																0.20
Snowflake	Little Colorado																																0.09
Springerville	do																																0.22
Supai	Colorado																																0.68
Tempe	Salt																																0.29
Thatcher	Gila																																0.09
Tombstone	San Pedro																																0.28
Truxton	Colorado																																0.12
Tuba	Little Colorado	12																															0.70
Tucson	Santa Cruz																																0.60
Tucson (1)	do																																0.32
Tucson (2)	do																																0.00
Vail	do																																0.35
Walnut Grove	Hassayampa																																0.68
Weickenburg	do																																0.30
Willcox	Desert																																0.01
Williams	Colorado																																0.03
Winslow	Little Colorado																																0.18
Yuma	Colorado																																0.22
Yuma (1)	do																																
<i>Nevada.</i>																																	
Caliente	Colorado																																0.06
Las Vegas	do																																0.30
Logan	do																																0.22

\* Precipitation included in that of the next measurement.

† Separate dates of falls not recorded.

|| Precipitation for the 24 hours ending on the morning when it is measured.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 3.—Maximum and minimum temperatures for April, 1913. District No. 9, Colorado Valley.

Date.	Wyoming.				Colorado.								Utah.								New Mexico.							
	Daniel.		Green River.		Durango.		Grand Junction.		Gunnison.		Meeker.		Steamboat Springs.		Emery.		Hite.		Moab.		St. George. §§		Fort Duchesne.		Bloomfield.		Fort Bayard.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
1....	50	25	59	37	60	38	71	52	56	23	66	33	55	25	42	13	79	44	83	39	82	53	74	35	72	43	74	48
2....	40	27	37	34	54	31	66	34	55	28	61	33	56	32	49	11	74	52	65	54	67	45	54	37	67	26	68	40
3....	35	18	41	27	50	25	49	35	38	24	40	23	42	21	48	19	65	44	59	37	65	35	50	32	56	29	60	34
4....	48	17	59	29	55	21	63	32	59	18	52	21	56	8	50	21	70	36	68	28	77	30	60	24	64	19	65	30
5....	53	16	59	34	65	27	70	40	63	23	28	14	53	25	78	40	73	36	80	35	64	28	76	33	69	40		
6....	47	13	47	35	62	36	71	47	55	26	64	30	54	19	50	20	76	47	74	69	44	61	31	73	44	71	39	
7....	40	9	41	27	52	33	59	38	48	25	45	31	58	31	51	19	70	45	63	35	68	40	46	30	66	35	67	35
8....	40	16	44	26	45	23	52	37	43	19	43	29	58	28	56	18	65	40	60	32	71	29	53	29	60	31	61	35
9....	42	13	44	26	49	30	52	33	49	18	44	25	37	15	62	23	65	43	59	33	72	30	52	27	61	26	61	35
10....	44	15	55	25	53	29	57	29	49	12	50	16	43	6	60	22	68	40	63	32	74	33	57	22	62	15	62	31
11....	48	16	65	25	61	24	66	31	58	13	80	17	54	5	65	20	74	38	71	28	79	29	64	22	66	21	59	31
12....	60	20	70	26	66	28	71	36	61	13	67	23	61	12	64	24	78	38	76	30	85	31	70	25	72	22	64	30
13....	65	20	73	26	68	30	75	40	67	16	71	22	65	15	59	20	81	40	81	32	85	37	73	25	75	23	68	32
14....	63	18	52	29	69	31	78	44	66	18	72	21	58	25	83	41	83	33	76	39	75	30	78	32	71	25	55	35
15....	58	32	67	25	65	31	70	45	62	23	66	35	59	22	77	53	72	51	70	30	65	44	74	33	69	44		
16....	60	26	72	29	67	31	74	40	67	17	69	22	68	19	60	28	80	43	80	36	78	33	71	27	77	29	74	39
17....	60	25	65	44	64	39	76	46	60	27	69	27	68	23	68	28	81	47	89	40	70	39	74	34	72	45	74	46
18....	48	28	54	39	61	39	71	50	63	37	65	36	62	33	56	30	71	52	74	50	63	47	69	49	71	41	69	38
19....	45	28	56	32	61	30	65	36	62	22	63	24	62	29	57	33	74	43	72	34	72	34	63	30	71	28	72	39
20....	55	25	65	38	67	30	72	40	65	16	68	24	68	23	60	32	79	44	79	34	77	38	68	29	76	27	69	42
21....	60	25	68	31	57	40	74	40	57	27	66	26	66	26	66	36	78	54	78	43	78	42	72	34	68	45	65	36
22....	54	24	58	40	57	37	67	42	55	25	59	36	54	21	63	22	79	57	76	46	77	39	66	36	64	38	61	38
23....	34	12	43	20	46	25	44	31	35	14	48	22	53	33	65	33	75	38	70	34	65	43	50	27	48	28	58	37
24....	44	19	54	29	51	18	56	29	45	10	45	14	40	18	62	31	68	36	66	26	75	31	62	28	59	14	56	26
25....	52	19	59	33	60	27	64	40	49	9	52	32	41	19	70	32	77	43	73	33	82	37	66	32	70	21	64	30
Mns.	51.9	20.5	58.5	32.0	60.3	30.7	67.3	40.6	57.0	20.2	60.5	26.5	58.1 <sup>b</sup>	21.7 <sup>b</sup>	60.3	26.5	76.0	44.6	73.8	38.7	76.0	38.8	65.0	31.7	69.5	30.1	67.1	36.7

  

Date.	Arizona.														Nevada.													
	Bisbee.		Flagstaff.		Fort Apache. §§		Grand Canyon.		Parker.		Phoenix.		Prescott.		St. Michaels.		Tucson.		Yuma.		Logan.							
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
1....	69	37	60	31	74	32	71	30	95	45	86	59	69	36	68	38	85	54	92	51	88	49						
2....	70	39	49	33	85	36	74	32	80	46	73	54	57	37	58	38	75	56	74	58	78	58						
3....	71	38	50	26	63	24	73	30	79	36	73	48	57	26	48	27	73	39	79	46	70	44						
4....	75	40	58	21	73	33	76	29	90	42	82	45	88	24	62	20	83	37	90	54	80	36						
5....	68	36	62	27	75	30	74	27	89	45	88	53	74	31	69	25	90	54	93	52	85	36						
6....	74	42	58	28	71	36	73	22	89	40	80	57	66	33	65	38	84	51	85	61	79	60						
7....	75	44	49	23	65	23	76	24	88	39	74	50	60	28	57	33	75	52	82	57	73	51						
8....	68	37	48	20	63	23	78	25	88	39	76	43	59	23	52	28	73	41	84	49	75	49						
9....	75	45	49	23	62	24	77	28	90	37	80	47	61	21	50	23	75	36	88	49	78	39						
10....	78	47	52	27	65	24	78	29	89	39	80	54	63	20	55	36	78	42	89	55	79	43						
11....	77	47	55	28	68	24	80	32	90	39	82	59	66	32	61	16	80	45	90	53	83	44						
12....	75	47	61	21	70	25	80	34	93	46	84	63	69	25	67	19	83	55	93	61	87	41						
13....	77	46	64	23	74	36	82	34	95	47	89	56	70	28	70	22	86	53	93	52	89	40						
14....	75	45	62	27	72	31	80	33	79	37	85	57	62	41	69	26	86	50	74	54	80	48						
15....	71	42	57	36	72	32	78	32	80	37	79	50	63	29	65	31	83	41	81	45	74	34						
16....	69	37	60	33	76	35	78	32	85	40	86	51	68	31	66	30	87	46	88	50	83	43						
17....	70	41	59	28	75	36	78	28	88	45	83	58	72	34	67	31	83	52	84	54	73	50						
18....	75	41	51	27	73	38	76</																					